

**ABSTRACT OF THE DISCLOSURE**

There are disclosed: a catalyst which can be used for production of acrylic acid and is excellent in the catalytic performances (e.g. conversion of starting material, selectivity of aimed product) and further has very high physical strength; and a  
5 process for production of acrylic acid using this catalyst. The above catalyst for production of acrylic acid is a catalyst which is obtained by a process including the steps of: heating a mixed liquid of starting materials including molybdenum and vanadium as essential components; and then molding the resultant dried material with a liquid binder; and then calcining the resultant molding; with the catalyst being  
10 characterized in that the liquid binder is an aqueous liquid of 7.0 to 10.0 in pH. The above process for production of acrylic acid is a process which comprises the step of carrying out catalytic gas phase oxidation of acrolein in the presence of molecular oxygen, thereby producing the acrylic acid; with the process being characterized by using the above catalyst for production of acrylic acid according to the present  
15 invention.